

WHAT IS CLAIMED:

1. An automatic protection apparatus for an unattended computer, comprising:

5 a portable transmitter operative to generate a wireless signal of electric or optical wave; and

a receiver plugged in an output port of the computer, operative to receive the wireless signal within a predetermined range and generate a control signal to force the computer into a protection mode when no wireless signal from the transmitter can be received thereby.

10 2. The apparatus according to Claim 1, wherein the protection mode includes change the display status of the computer.

3. The apparatus according to Claim 1, wherein the protection mode includes shutdown, standby, sleep or screen protection mode.

15 4. The apparatus according to Claim 1, wherein the transmitter comprises:

a transmission controller, operative to generate a coded signal of electric wave;

a transmission modulator, operative to modulate the coded signal by a carrier at a specific frequency; and

20 a transmission antenna, operative to output the coded signal modulated by the transmission modulator; and the receiver comprises:

a receiving antenna, operative to receive the coded signal output by the transmission antenna within the predetermined range;

25 a receiving demodulator, operative to demodulate the coded signal received by the receiving antenna;

a receiving controller, operative to discriminate whether the demodulated received coded signal is generated by the transmitter, and

generate a control signal to force the computer entering the protection mode when the receiving antenna does not receive the coded signal output by the transmission antenna; and

5 a connector, plugged in the output port of the computer to transmit the control signal to the computer.

5. The apparatus according to Claim 1, wherein the transmitter comprises:

a transmission controller, operative to generate an infrared coded signal;

10 a transmission modulator, operative to modulate the coded signal by a carrier at a specific frequency; and

an infrared light emitting diode, operative to output the coded signal modulated by the transmission modulator; and the receiver comprises:

a photodiode, operative to receive the coded signal output by the transmission antenna within the predetermined range;

15 a receiving demodulator, operative to demodulate the coded signal received by the receiving antenna;

a receiving controller, operative to discriminate whether the demodulated received coded signal is generated by the transmitter, and generate a control signal to force the computer entering the protection mode
20 when the receiving antenna does not receive the coded signal output by the transmission antenna; and

a connector, plugged in the output port of the computer to transmit the control signal to the computer.